

# TW-EAV510 Wireless Bridge (WDS) Configuration Guide



Step:

1. Device 1 and Device 2's LAN IP address must be different and can be in the same subnet.

Device 1 with DHCP Server enabled

[Advanced Setup](#) -> [LAN](#) -> [LAN Setting](#)

## Local Area Network (LAN) Setup

Configure the DSL Router IP Address and Subnet Mask for LAN interface. GroupName Default

IP Address: 192.168.0.254  
Subnet Mask: 255.255.255.0

☒ Enable IGMP Snooping

☐ Standard Mode

☒ Blocking Mode

☐ Enable LAN side firewall

☐ Disable DHCP Server

☒ Enable DHCP Server

Start IP Address: 192.168.0.100

End IP Address: 192.168.0.200

Leased Time (hour): [1-596000] 24 (only support integer!)

Static IP Lease List: (A maximum 32 entries can be configured)

MAC Address	IP Address	Remove
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Add Entries

Remove Entries

Device 2 with DHCP Server disabled

[Advanced Setup](#) -> [LAN](#) -> [LAN Setting](#)

#### Local Area Network (LAN) Setup

Configure the DSL Router IP Address and Subnet Mask for LAN interface. GroupName Default 

IP Address:   
Subnet Mask:

☒ Enable IGMP Snooping

☐ Standard Mode

☒ Blocking Mode

☐ Enable LAN side firewall

☒ Disable DHCP Server

☐ Enable DHCP Server

Start IP Address:

End IP Address:

Leased Time (hour):  (only support integer)

Static IP Lease List: (A maximum 32 entries can be configured)

MAC Address	IP Address	Remove
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The DHCP server should only be enabled on one of device in order to prevent any conflict.

2. The SSID name for Device 1 and Device 2 can be different.

Device 1: [Wireless](#) -> [Basic](#)

SSID:

BSSID:

Device 2: [Wireless](#) -> [Basic](#)

SSID:

BSSID:

3. The Wireless security setting can only be WEP 64/128bit for Wireless Bridge (WDS) connection.

## Device 1: [Wireless -> Security](#)

### Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.

Select SSID:

Network Authentication:

WEP Encryption:

Encryption Strength:

Current Network Key:

Network Key 1:

Network Key 2:

Network Key 3:

Network Key 4:

Enter 13 ASCII characters or 26 hexadecimal digits for 128-bit encryption keys  
Enter 5 ASCII characters or 10 hexadecimal digits for 64-bit encryption keys

## Device 2: [Wireless -> Security](#)

### Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.

Select SSID:

Network Authentication:

WEP Encryption:

Encryption Strength:

Current Network Key:

Network Key 1:

Network Key 2:

Network Key 3:

Network Key 4:

Enter 13 ASCII characters or 26 hexadecimal digits for 128-bit encryption keys  
Enter 5 ASCII characters or 10 hexadecimal digits for 64-bit encryption keys

Note: The throughput between Device 1 and Device 2 can only up to 54Mbps due to WEP standard limitation.

4. The wireless channel for Wireless Bridge (WDS) must be fixed and use the same channel on both Device 1 and Device 2 to make connection stable.

Device 1 and Device 2: [Wireless -> Advanced](#)

This page allows you to configure advanced features of the beacon interval for the access point, set XPress mode. Click "Apply/Save" to configure the advanced wireless o

5. Enable the Wireless Bridge and setup the remote bridges MAC address.

## Wireless -- Bridge

Remote Bridges MAC Address:	<table border="1"> <thead> <tr> <th></th> <th>SSID</th> <th>BSSID</th> </tr> </thead> <tbody> <tr> <td><input checked="" type="checkbox"/></td> <td>TW-WLAN-BR-AP2</td> <td>00:1E:AB:50:3C:D0</td> </tr> </tbody> </table>		SSID	BSSID	<input checked="" type="checkbox"/>	TW-WLAN-BR-AP2	00:1E:AB:50:3C:D0
	SSID	BSSID					
<input checked="" type="checkbox"/>	TW-WLAN-BR-AP2	00:1E:AB:50:3C:D0					

## Wireless -- Bridge

	SSID	BSSID
<input checked="" type="checkbox"/>	TW-WLAN-BR	00:1E:AB:50:1F:5C

6. The SSID for Wireless Bridge can only be used for WDS connection and not allow other clients to connect. In case, you can just enable the Wireless Guest/Virtual Access Points.

## Device 1 and Device 2: [Wireless -> Basic](#)

### Wireless - Guest/Virtual Access Points:

Enabled	SSID	Hidden	Isolate Clients	Disable WMM Advertise	Enable WMF	Max Clients	BSSID
<input checked="" type="checkbox"/>	wl0_Guest1	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	wl0_Guest2	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A
<input type="checkbox"/>	wl0_Guest3	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	16	N/A

### Note:

1. It is better that SSID for Virtual Access Point is different on both Device 1 and Device 2.
2. Please go to Wireless -> Security to enable the security if the security is needed.

### Manual Setup AP

You can set the network authentication method, selecting data encryption, specify whether a network key is required to authenticate to this wireless network and specify the encryption strength. Click "Apply/Save" when done.

Select SSID:

Network Authentication:

WPA/WAPI passphrase:  [Click here to display](#)

WPA Group Rekey Interval:

WPA/WAPI Encryption:

WEP Encryption:

